



AKTINO.0002P

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Michail Konstantinos Tsatsanis, et al.	)	Group Art Unit 2661
			)	
App. No.	:	10/658,117	)	
			)	
Filed	:	September 8, 2003	)	
			)	
For	:	DECISION FEEDBACK TRANSCEIVER FOR MULTICHANNEL COMMUNICATION SYSTEM	)	
			)	
Examiner	:	Unknown	)	
			)	

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

February 13, 2004

C. Miller  
Chad W. Miller, Reg. No. 44,943

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing references that are also enclosed. This Information Disclosure Statement is being filed before the mailing of the first Office Action on the merits, and as such, no fee is required in accordance with 37 C.F.R. § 1.97(b)(3).

Dated: 2/13/04

Respectfully submitted,

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<p style="text-align: center;"><b>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</b></p> <p style="text-align: center;"><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p style="text-align: center;">(USE SEVERAL SHEETS IF NECESSARY)</p>	ATTY. DOCKET NO.	APPLICATION NO.
	AKTINO.0002P	10/658,117
	APPLICANT	
	Michail Konstantinos Tsatsanis, et al.	
FILING DATE	GROUP	
September 8, 2003	2661	

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	5,285,474	02/1994	Chow, et al.			
	5,479,447	12/1995	Chow, et al.			
	5,673,290	09/1997	Cioffi			
	5,887,032	03/1999	Cioffi			
	US 2003/0086362 A1	05/2003	Hasegawa, et al.			

#### FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	Eric W. Weisstein, "Eric Weisstein's World of Mathematics - Diagonal Matrix", ©1999 CRC Press LLC, ©1999-2003 Wolfram Research, Inc., 2 pages	
	Steffen Trautmann, et al., "A New Equalizer for Multitone Systems Without Guard Time", <i>IEEE Communications Letters</i> , Vol. 6, No. 1, January 2002, pp. 34-36	
	Jeffrey Wu, et al., "Efficient Matrix Multiplication Methods to Implement a Near-optimum Channel Shortening Method for DMT Transceivers", The University of Texas at Austin, Asilomar Conference, October 30, 2000, 14 pages	
	J. Cioffi, "Digital Duplexing: VDSL Performance Improvement by Aversion of Frequency Guard Bands (TD13)", ETSI TM6 Edinburgh, September 20-24, 1999, pp. 1-16	
	Lei Wang, et al., "Low-Power AEC-Based MIMO Signal Processing for Gigabit Ethernet 1000Base-T Transceivers", Copyright 2001 ACM 1-58113-371-5/01/0008, pp. 334-339	
	Arthur Redfern, et al., "Expanding the Reach of ADSL", <a href="http://www.commsdesign.com/story.OEG20030717S0028">http://www.commsdesign.com/story.OEG20030717S0028</a> , July 17, 2003, 2 pages	

EXAMINER	DATE CONSIDERED
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